AMENDMENTS TO THE CLAIMS:

1-21. (Cancelled)

22. (Currently amended) A method of manufacturing a heat exchanger for cooling exhaust gas of an internal-combustion engine, said method comprising the steps of:

providing a plurality of ~~rectangular tubes for guiding exhaust gas~~ tube halves;

arranging a plurality of lugs ~~in~~ on said ~~rectangular tubes diagonally to a flow direction of the exhaust gas~~ tube halves, in pairs, by directly attaching the lugs to ~~opposite walls~~ a wall of each of said ~~tubes~~ tube halves;

joining pairs of said tube halves together to form rectangular tubes for guiding exhaust gas with the lugs arranged diagonally to a flow direction of the exhaust gas;

providing first and second latticed tube bottoms;

welding ends of said rectangular tubes to said latticed tube bottoms such that said rectangular tubes form a bundle;

attaching a sheet metal jacket ~~to said tube bottoms and around said bundle; providing said sheet metal jacket~~ provided with a coolant inlet and a coolant outlet to the tube bottoms, the inlet and outlet adapted to allow a liquid coolant to flow around said rectangular tubes in said sheet metal jacket; and

attaching connections to said tube bottoms, to ends of said sheet metal jacket, or to both said tube bottoms and ends of said sheet metal jacket, said

connections being configured for attachment to an exhaust pipe communicated with the exhaust gas from the internal-combustion engine, each said connection defining a central opening for communicating said rectangular tubes with the exhaust pipe.

23-30. (Cancelled)

31. (Currently amended) A method according to Claim 22, wherein in said arranging step the lugs are welded to the wall of each of the tube ~~walls~~ halves.

32-37. (Cancelled)

38. (Previously added) A method according to Claim 22, wherein said latticed tube bottoms are preformed.